



SCALANCE S 613 MODULE,
FOR PROTECTION OF DEVICES AND NETWORKS IN
AUTOMATION AND PROTECTION OF INDUSTRIAL
COMMUNICATION VIA VPN (MAX. 64 UNITS) AND
FIREWALL

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	2
Number of electrical connections	
• for internal network	1
• for external network	1
• for signaling contact	1
• for power supply	1
• for redundant power supply	1
Design of the electrical connection	
• for internal network	RJ45 port
• for external network	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage / C-PLUG	Yes

Signal-Inputs/outputs

Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A

Supply voltage, current consumption, power loss	
Type of / supply voltage	DC
Supply voltage / external	24 V
• minimum	20.4 V
• maximum	28.8 V
Consumed current / maximum	0.25 A
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	Non-replaceable melting fuse (F 3 A / 32 V)
Active power loss	
• at 24V / for DC / typical	3.84 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-20 ... +70 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP30
Design, dimensions and weight	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• wall mounting	Yes
Mounting type	Screw mounting on horizontal and vertical surfaces
Product function / symbolic names for IP addresses	Yes
Type of configuration	SCT: Security Configuration Tool (included in scope of delivery)
Product functions / Diagnosis	
Product function	
• SysLog	Yes
• Packet Filter Log	Yes
• Audit Log	Yes
• System Log	Yes
Product functions / DHCP	
Product function / DHCP server - internal network	Yes
Product functions / Routing	

Product function / static IP routing	Yes
Product functions / Security	
Design of the firewall	stateful inspection
Product function / with VPN connection	IPSec
Type of encryption algorithms / with VPN connection	AES-128, 3DES-168, DES-56
Type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates
Type of hashing algorithms / with VPN connection	MD5, SHA-1
Number of possible connections	128
Number of network stations / for internal network / with VPN connection	
• maximum	64
• note	Limitation only applies in bridge mode. No limitation in routing mode
Product function	
• Password protection	Yes
• bandwidth limiting	Yes
• NAT/NAPT	Yes
Product functions / Time	
Product function / pass on time synchronization	Yes
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product property / battery-backed hardware real-time clock	Yes
Standards, specifications, approvals	
Standard	
• for hazardous zone	EN 50021
• for safety / of CSA and UL	UL 60950, CSA C22.2 Nr. 60950
• for emitted interference	EN 50081-2 Class A
• for interference immunity	EN 50082-2
Verification of suitability	AS/NZS 2064 (Class A), EN 61000-6-2, EN 61000-6-4
• CE mark	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	Yes
Accessories	
Product expansion / optional / C-PLUG	Yes

